



New

# Premium HA™

Organic Humic Acid from  
Freshwater Sources



*Premium HA Humic Acid™ is a biologically active, non-denatured humic technology engineered to improve soil performance, nutrient availability and water-use efficiency for Western agriculture.*

*Unlike other humic acids, Premium HA is derived from high-quality humiliate ore from ancient freshwater sources and processed below 150° F. This proprietary processing method preserves the full spectrum of functional organic compounds and biological integrity of the humic acid. Unlike conventional humic acids degraded by high-heat processing methods, Premium HA maintains intact functional chemistry and nano-scale activity for maximum performance in the soil profile. Available in Premium HA SG and HA WSP formulas.*

**CONTACT INFORMATION**  
Diamond K Gypsum  
435.896.8870

1720 South Red Hills Drive, Richfield, Utah 84701  
diamondkgypsum.com



**IMPROVES SOIL STRUCTURE:** Enhances aggregation, reduces compaction and increases soil tilth for better root development.



**INCREASES NUTRIENT EFFICIENCY:** Boosts uptake of nutrients through chelation, buffering and improved nutrient availability.



**ENHANCES WATER USE EFFICIENCY:** Improves infiltration and water holding capacity during high temperatures and droughts.



**ACTIVATES SOIL BIOLOGY:** Provides a carbon-rich environment that stimulates beneficial microbial populations.



**STIMULATES ROOT DEVELOPMENT:** Encourages deeper and more extensive root systems.



**HELPS MANAGE SALT-AFFECTED SOIL:** Supports calcium dynamics to mitigate soil salinity and sodicity.



**PARTICLE SIZES:** Available in SG for easy blending, and in finer WSP size (40-100 mesh) for fertigation applications.

# Diamond K Premium HA™ – Organic Humic Acid from Freshwater Sources

## Available in 2 Thermophilic Processed Formulations:

**Increases Nutrient Availability and Uptake**

**Aids Plant Tolerance to Stresses**

**Improves Soil Structure and Moisture Retention**

**Thermophilic humic acids provide a more concentrated, stable, and bioavailable carbon source to enhance soil fertility and structure.**

## Premium HA™ SG

Suitable for dry applications, this form enhances soil structure and provides a slow-release effect of organic matter to the soil.

## Premium HA™ WSP

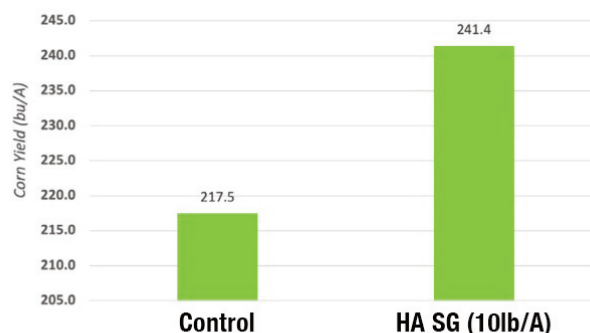
Designed for quick solubility in water, this is ideal for fertigation or spraying to provide immediate nutrient chelating benefits to plants.

### Helps Resolve N, P, and K Use Efficiency Problems

- Premium HA minimizes N leaching and ammonia volatilization. It stabilizes urea, providing a slow release effect that keeps N available in the root zone for longer periods.
- In alkaline Western soils, P often binds with calcium and becomes unavailable. Premium HA reduces this fixation and forms soluble complexes that increase P availability to plants.
- Because of its high CEC, Premium HA helps to hold onto essential K and other essential cations ( $Ca^{2+}$ ,  $Mg^{2+}$ ,  $Zn^{2+}$ ) to prevent them leaching away in sandy soils.

### 2025 Field Data

2025 Average Yield: 3-State Test Sites



### Frequently Asked Questions

#### What are the benefits of Diamond K Premium HA SG and Premium HA WSP?

HA SG and HA WSP are advanced humic-based soil amendments designed to improve nutrient efficiency, soil health, and overall plant performance. They are produced using a proprietary thermophilic process that preserves the natural biological and chemical benefits of humates.

#### How do these products improve nutrient use efficiency?

HA SG and HA WSP enhance the

availability, uptake, and movement of nutrients like N, P and K. They act as chelating and buffering agents, helping nutrients stay available to plants instead of becoming locked in the soil.

#### What benefits can growers expect to see in their crops?

Growers can expect improved root development, better photosynthesis, and stronger plant resilience to stress. Field data also shows increased yields, with HA SG delivering an average gain of 2.4 bushels per acre per applied pound in pre-plant fertilizer programs.

#### How do these products impact soil health?

They improve soil structure, increase moisture retention, and promote beneficial microbial activity. Over time, they help improve long-term soil quality by helping create stable carbon from decomposing root systems.

#### How much improvement in N, P, and K efficiency can I expect?

Research and field results indicate these products can increase nutrient use efficiency by approximately 15% for nitrogen, 20% for phosphorus, and 15% for potassium—helping growers get more value from their fertilizer inputs.